



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Canada WHMIS which includes the amended Hazardous Products Act (HPA) and the  
Hazardous Products Regulation (HPR)

Revision date 01-Jul-2026

Revision Number 1

## 1. Identification

### Product identifier

**Product Name** Exceptional Metals - DefendEX SS1500  
**Product Code(s)** EM\_DEX\_SS1500\_SDS  
**Synonyms** Panel for Commercial-Industrial Metal Roofing and Wall Cladding

### Other means of identification

### Recommended use of the chemical and restrictions on use

**Recommended use** For professional use only, Construction materials  
**Restrictions on use** Not intended for consumer sale or use, Use only as directed

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Exceptional Metals is part of the Amrize family of brands  
Amrize Building Envelope LLC  
831 West Morley Drive  
Saginaw, MI 48601

Sales: 866-337-4599  
Website: exceptionalmetals.com  
email: info@exceptionalmetals.com

### Emergency telephone number

**Emergency Telephone** For Chemical Emergency - Spill, Leak, Fire, Exposure, or Incident  
Call CHEMTREC  
Within USA and Canada Toll Free: 1-800-424-9300 Local: +1-703-527-3887  
Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

## 2. Hazard(s) identification

### Classification of the substance or mixture

This product is not considered hazardous in accordance with the Canada Hazardous Products Act (HPA) and Hazardous Products Regulation (HPR), as amended. Exempt (manufactured article).

### Label elements

**Hazard statements**  
No hazard statements required.

Other information

Exempt (manufactured article).

### 3. Composition/information on ingredients

Substance

| Chemical name | CAS No. | Weight-%   | Hazardous Material<br>Information Review Act<br>registry number (HMIRA<br>registry #) | Date HMIRA filed and<br>date exemption granted<br>(if applicable) |
|---------------|---------|------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Article       | NONE    | 99 = < 100 | -                                                                                     | -                                                                 |

### 4. First-aid measures

Description of first aid measures

|                |                                                                                                                         |
|----------------|-------------------------------------------------------------------------------------------------------------------------|
| General advice | Exposure to components of the product are limited due to the physical form of the product.                              |
| Inhalation     | Remove to fresh air.                                                                                                    |
| Eye contact    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.<br>Consult a physician. |
| Skin contact   | Wash skin with soap and water.                                                                                          |
| Ingestion      | Rinse mouth.                                                                                                            |

Most important symptoms and effects, both acute and delayed

|                     |                           |
|---------------------|---------------------------|
| Symptoms            | No information available. |
| Effects of Exposure | No information available. |

Indication of any immediate medical attention and special treatment needed

|                    |                        |
|--------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|--------------------|------------------------|

### 5. Fire-fighting measures

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Collect spillage with a shovel and broom, or similar. Large, solid pieces can be picked up.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Use only as directed. This product presents no hazards under normal conditions of use.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure controls/personal protection

### Control Parameters

**Exposure Limits** This product, as supplied, contains materials that do not have reportable occupational exposure limits or are not subject to the reporting requirements of the local jurisdiction.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

|                                 |                                                                                                                                                                                                                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye/face protection</b>      | Appropriate eye/face protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.                                                                                                              |
| <b>Hand protection</b>          | Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.                                                                                                                  |
| <b>Skin and body protection</b> | Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction.                                                                                                         |
| <b>Respiratory protection</b>   | Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| <b>Appearance</b>     | Article                                                       |
| <b>Physical state</b> | Solid                                                         |
| <b>Color</b>          | Various colors                                                |
| <b>Odor</b>           | Odorless                                                      |
| <b>VOC content</b>    | n/a VOC content g/L ( n/a lb/gal ) EPA Method 24 (as applied) |

| <u>Property</u>                                | <u>Values</u>                                         | <u>Remarks • Method</u> |
|------------------------------------------------|-------------------------------------------------------|-------------------------|
| <b>Melting point / freezing point</b>          | No data available                                     | None known              |
| <b>Initial boiling point and boiling range</b> | No data available                                     | Not applicable          |
| <b>Flammability</b>                            | Not applicable, material is a solid                   | Not applicable          |
| <b>Flammability Limit in Air</b>               |                                                       | None known              |
| <b>Upper flammability or explosive limits</b>  | No data available                                     |                         |
| <b>Lower flammability or explosive limits</b>  | No data available                                     |                         |
| <b>Flash point</b>                             | Not applicable, material is a solid<br>data available | No None known           |
| <b>Autoignition temperature</b>                | Not applicable, material is a solid<br>data available | No None known           |
| <b>Decomposition temperature</b>               | Not applicable, material is a solid<br>data available | No None known           |
| <b>SADT (°C)</b>                               | No data available                                     | None known              |
| <b>pH</b>                                      | No data available                                     | Not applicable          |
| <b>pH (as aqueous solution)</b>                | No data available                                     | Not applicable          |
| <b>Kinematic viscosity</b>                     | No data available                                     | Not applicable          |
| <b>Dynamic viscosity</b>                       | No data available                                     | None known              |
| <b>Water solubility</b>                        | Not applicable                                        | None known              |
| <b>Solubility(ies)</b>                         | Not applicable                                        | None known              |
| <b>Partition Coefficient (n-octanol/water)</b> | No data available                                     | None known              |
| <b>Vapor pressure</b>                          | No data available                                     | None known              |
| <b>Relative density</b>                        | No data available                                     | Not applicable          |
| <b>Bulk density</b>                            | No data available                                     |                         |
| <b>Liquid Density</b>                          | No data available                                     |                         |
| <b>Relative vapor density</b>                  | No data available                                     | None known              |
| <b>Particle characteristics</b>                |                                                       | None known              |

|                            |                   |
|----------------------------|-------------------|
| Particle Size              | No data available |
| Particle Size Distribution | No data available |

Other information Not applicable, material is a solid

## 10. Stability and reactivity

|                                    |                                           |
|------------------------------------|-------------------------------------------|
| Reactivity                         | No information available.                 |
| Chemical stability                 | Stable under normal conditions.           |
| Possibility of hazardous reactions | None under normal processing.             |
| Conditions to avoid                | None known based on information supplied. |
| Incompatible materials             | None known based on information supplied. |
| Hazardous decomposition products   | None known based on information supplied. |

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

|              |                                                                   |
|--------------|-------------------------------------------------------------------|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |

### Symptoms related to the physical, chemical and toxicological characteristics

|                                       |                           |
|---------------------------------------|---------------------------|
| Symptoms                              | No information available. |
| Acute toxicity                        | No information available. |
| <u>Numerical measures of toxicity</u> | No information available  |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity            | No information available. |
| Carcinogenicity                   | No information available. |
| Reproductive toxicity             | No information available. |

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

## 12. Ecological information

Ecotoxicity No information available.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility in soil No information available.

Other adverse effects No information available.

## 13. Disposal considerations

### Disposal methods

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## 14. Transport information

TDG Not regulated

DOT Not regulated

ICAO (air) Not regulated

IATA Not regulated

IMDG Not regulated

## 15. Regulatory information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Other Regulations

#### **International Living Future Institute - Living Building Challenge (LBC) - Red List**

This product does not contain Red Listed substances.

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

|               |           |
|---------------|-----------|
| TSCA          | Complies. |
| DSL/NDL       | Complies. |
| EINECS/ELINCS | Complies. |
| ENCS          | Complies. |
| IECSC         | Complies. |
| KECI          | Complies. |
| PICCS         | Complies. |
| AIIC          | Complies. |
| NZIoC         | Complies. |
| TCSI          | Complies. |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECI** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

**TCSI** - Taiwan Chemical Substance Inventory

## 16. Other information

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 0 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b> | <b>Health hazards</b> 0 | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

### Key or legend to abbreviations and acronyms used in the safety data sheet

|       |                                                                                                 |
|-------|-------------------------------------------------------------------------------------------------|
| ACGIH | American Conference of Governmental Industrial Hygienists                                       |
| ADN   | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe) |
| ADR   | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)             |
| AIIC  | Australian Inventory of Industrial Chemicals                                                    |
| ATE   | Acute Toxicity Estimate                                                                         |
| ASTM  | American Society for the Testing of Materials                                                   |
| bar   | Biological Reference Values for Chemical Compounds in the Work Area                             |

|                    |                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------|
| BAT                | Biological tolerance values for occupational exposure                                               |
| BEL                | Biological exposure limits                                                                          |
| bw                 | Body weight                                                                                         |
| Ceiling            | Maximum limit value                                                                                 |
| CMR                | Carcinogen, Mutagen or Reproductive Toxicant                                                        |
| DOT                | Department of Transportation (United States)                                                        |
| DSL                | Domestic Substances List (Canada)                                                                   |
| EmS                | Emergency Schedule                                                                                  |
| ENCS               | Existing and New Chemical Substances (Japan)                                                        |
| EPA                | U.S. Environmental Protection Agency                                                                |
| GHS                | Globally Harmonized System                                                                          |
| HMIS               | Hazardous Materials Identification System                                                           |
| IARC               | International Agency for Research on Cancer                                                         |
| IATA               | International Air Transport Association                                                             |
| IBC                | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO               | International Civil Aviation Organization                                                           |
| IECSC              | Inventory of Existing Chemical Substances in China                                                  |
| IMDG               | International Maritime Dangerous Goods                                                              |
| IMO                | International Maritime Organization                                                                 |
| ISO                | International Organization for Standardization                                                      |
| KECI               | Korea Existing Chemicals Inventory                                                                  |
| LC50               | Lethal Concentration to 50% of a test population                                                    |
| LD50               | Lethal Dose to 50% of a test population (Median Lethal Dose)                                        |
| MARPOL             | International Convention for the Prevention of Pollution from Ships                                 |
| NFPA               | National Fire Protection Association                                                                |
| n.o.s.             | Not Otherwise Specified                                                                             |
| NOAEC              | No Observed Adverse Effect Concentration                                                            |
| NOAEL              | No Observed Adverse Effect Level                                                                    |
| NOELR              | No Observable Effect Loading Rate                                                                   |
| NZIoC              | New Zealand Inventory of Chemicals                                                                  |
| OECD               | Organization for Economic Cooperation and Development                                               |
| OEL                | Occupational exposure limits                                                                        |
| PBT                | Persistent, Bioaccumulative and Toxic substance                                                     |
| PICCS              | Philippines Inventory of Chemicals and Chemical Substances                                          |
| PMT                | Persistent, Mobile and Toxic                                                                        |
| PPE                | Personal protective equipment                                                                       |
| QSAR               | Quantitative Structure Activity Relationship                                                        |
| RID                | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)                 |
| SADT               | Self-Accelerating Decomposition Temperature                                                         |
| SAR                | Structure-activity relationship                                                                     |
| SDS                | Safety Data Sheet                                                                                   |
| SL                 | Surface Limit                                                                                       |
| STEL               | Short Term Exposure Limit                                                                           |
| STOT RE            | Specific target organ toxicity - Repeated exposure                                                  |
| STOT SE            | Specific target organ toxicity - Single exposure                                                    |
| TCSI               | Taiwan Chemical Substance Inventory                                                                 |
| TDG                | Transport of Dangerous Goods (Canada)                                                               |
| TSCA               | Toxic Substances Control Act (United States)                                                        |
| TWA                | Time-Weighted Average                                                                               |
| UN                 | United Nations                                                                                      |
| VOC content lb/gal | Volatile organic compounds                                                                          |
| vPvB               | Very Persistent and Very Bioaccumulative                                                            |
| vPvM               | Very Persistent and Very Mobile                                                                     |
| As                 | Allergenic substance                                                                                |
| DS                 | Dermal Sensitizer                                                                                   |
| Ot                 | Ototoxicant                                                                                         |

|     |                                                       |
|-----|-------------------------------------------------------|
| pOt | Ototoxicant - potential to cause hearing disorders    |
| PS  | Photosensitizer                                       |
| RS  | Respiratory Sensitizer                                |
| S   | Sensitizer                                            |
| poS | Sensitizer - capable of causing occupational asthma   |
| Sa  | Simple asphyxiant                                     |
| Sd  | Skin designation                                      |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated                            |
| Sk  | Skin notation                                         |
| dSk | Skin notation - danger of cutaneous absorption        |
| pSk | Skin notation - potential for cutaneous absorption    |

**Key literature references and sources for data used to compile the SDS**

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
U.S. Environmental Protection Agency  
U.S. EPA Acute Exposure Guideline Level(s) (AEGL(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
U.S. Hazardous Substance Data Bank (HSDB)  
International Uniform Chemical Information Database (IUCLID)  
Japan National Institute of Technology and Evaluation (NITE)  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
U.S. National Institute for Occupational Safety and Health (NIOSH)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
U.S. National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program  
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
United Nations World Health Organization (WHO)

**Revision date** 01-Jul-2026

**Revision Note** No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**